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NEWS 9 Jun 03 New e-mail delivery for search results now available
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L2 ANSWER 1 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 2002233080 EMBASE
TI Novel triple expression hybrid **clone** from human sources for the
detection of M2 antibodies.
AU Jiang X.H.; Zhong R.Q.; Fan L.Y.; Hu Y.; Li W.W.; Cao L.N.; Kong X.T.
CS R.Q. Zhong, People's Liber. Army Clin. Immun Ctr, Changzheng Hospital,
Second Military Medical University, Shanghai 200003, China.
rqzhong@guomai.sh.cn
SO Chinese Journal of Digestive Diseases, (2002) 3/2 (65-69).
Refs: 9
ISSN: 1443-9611 CODEN: CJDDA
CY Australia
DT Journal; Article
FS 026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
048 Gastroenterology
LA English
SL English

L2 ANSWER 2 OF 20 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2002:140697 BIOSIS
DN PREV200200140697
TI Autoreactive T cell **clones** in patients with primary biliary
cirrhosis: Evidence of cross-reactivity with *E. coli* OGDC-E2 and human
mitochondrial autoantigens.
AU Tanimoto, Hironori (1); Shimoda, Shinji (1); Kawano, Satoshi (1);
Nakamura, Minoru (1); Hayashida, Kazuhiro (1); Gershwin, M. Eric;
Ishibashi, Hiromi
CS (1) First Department of Internal Medicine, Faculty of Medicine, Kyushu
University, Fukuoka Japan
SO Hepatology, (October, 2001) Vol. 34, No. 4 Pt. 2, pp. 366A.
<http://hepatology.aasldjournals.org/scripts/om.dll/serve?action=searchDB&searchDBfor=home&id=jhep.print>.
Meeting Info.: 52nd Annual Meeting and Postgraduate Courses of the
American Association for the Study of Liver Diseases Dallas, Texas, USA
November 09-13, 2001
ISSN: 0270-9139.
DT Conference

LA English

L2 ANSWER 3 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 2000078300 EMBASE

TI Isolation and characterization of cDNA **clones** for the E1.beta. and E2 subunits of the branched-chain .alpha.-ketoacid dehydrogenase complex in *Arabidopsis*.

AU Fujiki Y.; Sato T.; Ito M.; Watanabe A.

CS A. Watanabe, Department of Biological Sciences, Graduate School of Science, University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan. watanabe@biol.s.u-tokyo.ac.jp

SO Journal of Biological Chemistry, (2000) 275/8 (6007-6013).
Refs: 57
ISSN: 0021-9258 CODEN: JBCHA3

CY United States

DT Journal; Article

FS 029 Clinical Biochemistry

LA English

SL English

L2 ANSWER 4 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 2

AN 2000134073 EMBASE

TI The peculiar autoimmunity of primary biliary cirrhosis.

AU Mackay I.R.; Whittingham S.; Fida S.; Myers M.; Ikuno N.; Gershwin M.E.; Rowley M.J.

CS I.R. Mackay, Dept.of Biochemistry/Molecular Biol., Monash University, Clayton, Vic. 3800, Australia. ian.mackay@med.monash.edu.au

SO Immunological Reviews, (2000) 174/- (226-237).
Refs: 65
ISSN: 0105-2896 CODEN: IMRED2

CY Denmark

DT Journal; General Review

FS 006 Internal Medicine
017 Public Health, Social Medicine and Epidemiology
026 Immunology, Serology and Transplantation
048 Gastroenterology

LA English

SL English

L2 ANSWER 5 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 1999090078 EMBASE

TI cDNA sequencing of branched chain 2-oxo acid dehydrogenase complex (BCOADC)-E2 in Japanese patients with primary biliary cirrhosis.

AU Miyakawa H.; Kawaguchi N.; Katayama K.; Noyama T.; Kitazawa E.; Kikuchi K.; Fujikawa H.; Abe K.; Kako M.

CS H. Miyakawa, Fourth Dept. of Internal Medicine, Teikyo University School of Medicine, 3-8-3 Mizonokuchi, Takatsu-ku, Kawasaki-shi, Kanagawa 213-8507, Japan

SO Hepatology Research, (1999) 14/1 (70-77).
Refs: 21
ISSN: 0928-4346 CODEN: HPRSFIM
PUI S 1386-6346(98)00107-7

CY Ireland

DT Journal; Article

FS 048 Gastroenterology

LA English

SL English

L2 ANSWER 6 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 1998073256 EMBASE

TI Characterization of antimitochondrial antibodies in healthy adults.

AU Mattalia A.; Quaranta S.; Leung P.S.C.; Bauduccci M.; Van De Water J.; Calvo P.L.; Danielle F.; Rizzetto M.; Ansari A.; Coppel R.L.; Rosina F.; Gershwin M.E.

CS Dr. M.E. Gershwin, Div. of Rheumatology, Allergy, Clinical Immunology, University of California Davis, One Shields Avenue, Davis, CA 95616, United States

SO Hepatology, (1998) 27/3 (656-661).

Refs: 28

ISSN: 0270-9139 CODEN: HPTLD

CY United States

DT Journal; Article

FS 048 Gastroenterology

LA English

SL English

L2 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2002 ACS

AN 1998:229341 CAPLUS

DN 128:281558

TI The association between autoantibodies to enzyme and diseases. With special reference to antibodies to pyruvate dehydrogenase complex (PDH)

AU Moteki, Sekio; Amaki, Shuichi; Nakano, Eiji

CS Sch. Med., Nihon Univ., Tokyo, 173-8610, Japan

SO Rinsho Byori (1998), 46(4), 317-323

CODEN: RBYOAI; ISSN: 0047-1860

PB Rinsho Byori Kankokai

DT Journal; General Review

LA Japanese

L2 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2002 ACS

AN 1998:42413 CAPLUS

DN 128:127076

TI Recombinant fusion protein comprising PDC-E2, BCOADC-E2, and OGDC-E2 and uses thereof

IN Gershwin, Eric; Leung, Patrick; Coppel, Ross

PA Gershwin, Eric, USA; Leung, Patrick; Coppel, Ross

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9749720	A1	19971231	WO 1997-US11016	19970624
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9735029	A1	19980114	AU 1997-35029	19970624
	AU 717738	B2	20000330		
PRAI	US 1996-14719		19960624		
	WO 1997-US11016		19970624		

L2 ANSWER 9 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 97184643 EMBASE

DN 1997184643

TI Molecular characterization of the mde operon involved in L-methionine catabolism of Pseudomonas putida.

AU Inoue H.; Inagaki K.; Eriguchi S.-I.; Tamura T.; Esaki N.; Soda K.; Tanaka H.

CS H. Tanaka, Department of Bioresources Chemistry, Faculty of Agriculture, Okayama University, Tsushima-naka 1-1-1, Okayama-shi, Okayama 700, Japan.
htanaka@cc.okayama-u.ac.jp

SO Journal of Bacteriology, (1997) 179/12 (3956-3962).

Refs: 43

ISSN: 0021-9193 CODEN: JOBAAY

CY United States

DT Journal; Article

FS 004 Microbiology

LA English

SL English

L2 ANSWER 10 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 97137748 EMBASE

DN 1997137748

TI Characterization of the mouse dihydrolipoamide dehydrogenase (Dld) gene: Genomic structure, promoter sequence, and chromosomal localization.

AU Johnson M.; Yang H.-S.; Johannings G.L.; Patel M.S.

CS M.S. Patel, Department of Biochemistry, Sch. of Medicine/Biomedical Sciences, State University of New York, 3435 Main Street, Buffalo, NY 14214, United States

SO Genomics, (1997) 41/3 (320-326).

Refs: 32

ISSN: 0888-7543 CODEN: GNMCEP

CY United States

DT Journal; Article

FS 022 Human Genetics

LA English

SL English

=> s 12 and E1?

L3 8 L2 AND E1?

=> s 13 and E2

'E2' NOT FOUND

The E# entered is not currently defined.

=> s 13 and E2?

L4 4 L3 AND E2?

=> d 14 1-4

L4 ANSWER 1 OF 4 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 2002233080 EMBASE

TI Novel triple expression hybrid **clone** from human sources for the detection of M2 antibodies.

AU Jiang X.H.; Zhong R.Q.; Fan L.Y.; Hu Y.; Li W.W.; Cao L.N.; Kong X.T.

CS R.Q. Zhong, People's Liber. Army Clin. Immun Ctr, Changzheng Hospital, Second Military Medical University, Shanghai 200003, China.
rqzhong@guomai.sh.cn

SO Chinese Journal of Digestive Diseases, (2002) 3/2 (65-69).

Refs: 9

ISSN: 1443-9611 CODEN: CJDDA

CY Australia

DT Journal; Article

FS 026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
048 Gastroenterology

LA English

SL English

L4 ANSWER 2 OF 4 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 2000078300 EMBASE

TI Isolation and characterization of cDNA **clones** for the **E1** .beta. and **E2** subunits of the branched-chain .alpha.-ketoacid dehydrogenase complex in *Arabidopsis*.

AU Fujiki Y.; Sato T.; Ito M.; Watanabe A.

CS A. Watanabe, Department of Biological Sciences, Graduate School of Science, University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan.
watanabe@biol.s.u-tokyo.ac.jp

SO Journal of Biological Chemistry, (2000) 275/8 (6007-6013).

Refs: 57

ISSN: 0021-9258 CODEN: JBCHA3

CY United States
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English

L4 ANSWER 3 OF 4 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 96154999 EMBASE
DN 1996154999

TI Molecular aspects and the pathological basis of primary biliary cirrhosis.
AU Leung P.S.C.; Van der Water J.; Coppel R.L.; Nakanuma Y.; Munoz S.;
Gershwin M.E.

CS Division of Rheumatology, University of California, Davis, CA 95616, United States

SO Journal of Autoimmunity, (1996) 9/2 (119-128).
ISSN: 0896-8411 CODEN: JOAUEP

CY United Kingdom
DT Journal; General Review
FS 005 General Pathology and Pathological Anatomy
026 Immunology, Serology and Transplantation
048 Gastroenterology

LA English
SL English

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
AN 1989:150410 CAPLUS
DN 110:150410

TI Comparison of the amino acid sequences of the transacylase components of branched chain **oxoacid dehydrogenase** of *Pseudomonas putida*, and the pyruvate and 2-oxoglutarate dehydrogenases of *Escherichia coli*

AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Sokatch, John R.
CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA
SO Eur. J. Biochem. (1988), 176(1), 165-9
CODEN: EJBCAI; ISSN: 0014-2956

DT Journal
LA English

=> d 14 4 ab

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
AB The nucleotide sequence of gene bkdB, the structural gene for **E2b** (lipoate isobutyryltransferase), the transacylase component of branched-chain **oxoacid dehydrogenase** (I) of *P. putida*, was detd. and translated into its amino acid sequence. The start of bkdB was identified from the N-terminal sequence of **E2b** isolated from I of the closely related species, *P. aeruginosa*. The reading frame was composed of 65.5% (guanine + cytosine) with 82.3% of the codons ending in guanine or cytosine. There was no intergenic space between genes bkdA2 and bkdB. No codons requiring minor tRNAs were utilized and the codon bias index indicated a preferential codon usage. The bkdB gene encoded 423 amino acids although the N-terminal methionine was absent from **E2b** prep'd. from *P. aeruginosa*. The relative mol. wt. of the encoded protein was 45,134 (45,003 for I minus methionine) vs., 47,000 obtained by SDS-PAGE. There was a single domain in **E2b** compared to 3 lipoyl domains in **E2p**, and 1 domain in **E2o**, the transacylases of pyruvate and oxoglutarate dehydrogenases of *E. coli*, resp. There was significant similarity between the lipoyl domain of **E2b** and that of **E2p** and **E2o** as well as between the **E1-E2** binding domains of **E2b**, **E2p**, and **E2o**. There was no similarity between the E3 binding domain of **E2b** to **E2p** and **E2o** which may reflect the uniqueness of the E3 component of I of *P. putida*. The

conclusions drawn from these comparisons are that the transacylases of prokaryotic I, and pyruvate and oxoglutarate dehydrogenases descended from a common ancestral protein probably at about the same time.

=> d 13 11-20

8 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE

The answer numbers requested are not in the answer set.

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a range of answer numbers, Example: 5-10

or a combination of these. Example: 3,7,9-10,15

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L3 ANSWER 1 OF 8 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 2002233080 EMBASE
TI Novel triple expression hybrid **clone** from human sources for the detection of M2 antibodies.
AU Jiang X.H.; Zhong R.Q.; Fan L.Y.; Hu Y.; Li W.W.; Cao L.N.; Kong X.T.
CS R.Q. Zhong, People's Liber. Army Clin. Immun Ctr, Changzheng Hospital, Second Military Medical University, Shanghai 200003, China.
rqzhong@guomai.sh.cn
SO Chinese Journal of Digestive Diseases, (2002) 3/2 (65-69).
Refs: 9
ISSN: 1443-9611 CODEN: CJDDA
CY Australia
DT Journal; Article
FS 026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
048 Gastroenterology
LA English
SL English

=> d 12 11-20

L2 ANSWER 11 OF 20 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
AN 1996:523223 BIOSIS
DN PREV199699245579
TI Purification and characterization of two components of epoxyp propane isomerase/carboxylase from Xanthobacter Py2.
AU Chan Kwo Chion, Chan K. N.; Leak, David J. (1)
CS (1) Dep. Biochem., Imperial Coll., London SW7 2AY UK
SO Biochemical Journal, (1996) Vol. 319, No. 2, pp. 499-506.
ISSN: 0264-6021.
DT Article
LA English

L2 ANSWER 12 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 96154999 EMBASE
DN 1996154999
TI Molecular aspects and the pathological basis of primary biliary cirrhosis.
AU Leung P.S.C.; Van der Water J.; Coppel R.L.; Nakanuma Y.; Munoz S.; Gershwin M.E.
CS Division of Rheumatology, University of California,Davis, CA 95616, United States
SO Journal of Autoimmunity, (1996) 9/2 (119-128).
ISSN: 0896-8411 CODEN: JOAUEP
CY United Kingdom
DT Journal; General Review

FS 005 General Pathology and Pathological Anatomy
026 Immunology, Serology and Transplantation
048 Gastroenterology
LA English
SL English

L2 ANSWER 13 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 95280733 EMBASE
DN 1995280733
TI Mammalian .alpha.-keto acid dehydrogenase complexes: Gene regulation and genetic defects.
AU Patel M.S.; Harris R.A.
CS Department of Biochemistry, 140 Farber Hall, State University of New York, 3435 Main St., Buffalo, NY 14214, United States
SO FASEB Journal, (1995) 9/12 (1164-1172).
ISSN: 0892-6638 CODEN: FAJOEC
CY United States
DT Journal; General Review
FS 029 Clinical Biochemistry
LA English
SL English

L2 ANSWER 14 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 95250640 EMBASE
DN 1995250640
TI The cDNA encoding canine dihydrolipoamide dehydrogenase contains multiple termination signals.
AU Martins A.S.; Greene L.J.; Yoho L.; Milsted A.
CS Department of Biology, The University of Akron, Akron, OH 44325-3908, United States
SO Gene, (1995) 161/2 (253-257).
ISSN: 0378-1119 CODEN: GENED6
CY Netherlands
DT Journal; Article
FS 022 Human Genetics
029 Clinical Biochemistry
LA English
SL English

L2 ANSWER 15 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 93120422 EMBASE
DN 1993120422
TI Characterization of the promoter-regulatory region and structural organization of E1.alpha. gene (BCKDHA) of human branched-chain .alpha.-keto acid dehydrogenase complex.
AU Chuang J.L.; Cox R.P.; Chuang D.T.
CS Department of Biochemistry, Texas University SW Medical Center, Dallas, TX 75235, United States
SO Journal of Biological Chemistry, (1993) 268/11 (8309-8316).
ISSN: 0021-9258 CODEN: JBCHA3
CY United States
DT Journal; Article
FS 022 Human Genetics
029 Clinical Biochemistry
LA English
SL English

L2 ANSWER 16 OF 20 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:482741 BIOSIS
DN PREV199396116341
TI Identification of the formate dehydrogenases and genetic determinants of formate-dependent nitrite reduction by Escherichia coli K12.
AU Darwin, A.; Tormay, P.; Page, L.; Griffiths, L.; Cole, J. (1)
CS (1) Sch. Biochemistry, Univ. Birmingham, Birmingham B15 2TT UK

SO Journal of General Microbiology, (1993) Vol. 139, No. 8, pp. 1829-1840.
ISSN: 0022-1287.

DT Article

LA English

L2 ANSWER 17 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 93231307 EMBASE
DN 1993231307

TI The structure of the human dihydrolipoamide dehydrogenase gene (DLD) and its upstream elements.

AU Feigenbaum A.S.; Robinson B.H.

CS Hospital for Sick Children, 555 University Avenue, Toronto, Ont. M5G 1X8, Canada

SO Genomics, (1993) 17/2 (376-381).
ISSN: 0888-7543 CODEN: GNMCEP

CY United States

DT Journal; Article

FS 022 Human Genetics
029 Clinical Biochemistry

LA English

SL English

L2 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1989:491332 CAPLUS
DN 111:91332

TI Sequence analysis of the lpdV gene for lipoamide dehydrogenase of branched-chain-**oxoacid dehydrogenase** of *Pseudomonas putida*

AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Sokatch, John R.

CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA

SO Eur. J. Biochem. (1989), 179(1), 61-9
CODEN: EJBCAI; ISSN: 0014-2956

DT Journal

LA English

L2 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1989:186867 CAPLUS
DN 110:186867

TI Similarity of the E1 subunits of branched-chain-**oxoacid dehydrogenase** from *Pseudomonas putida* to the corresponding subunits of mammalian branched-chain-oxoacid and pyruvate dehydrogenases

AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Idriss, John M.; Sokatch, John R.

CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA

SO Eur. J. Biochem. (1988), 176(2), 311-17
CODEN: EJBCAI; ISSN: 0014-2956

DT Journal

LA English

L2 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1989:150410 CAPLUS
DN 110:150410

TI Comparison of the amino acid sequences of the transacylase components of branched chain **oxoacid dehydrogenase** of *Pseudomonas putida*, and the pyruvate and 2-oxoglutarate dehydrogenases of *Escherichia coli*

AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Sokatch, John R.

CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA

SO Eur. J. Biochem. (1988), 176(1), 165-9
CODEN: EJBCAI; ISSN: 0014-2956

DT Journal

LA English